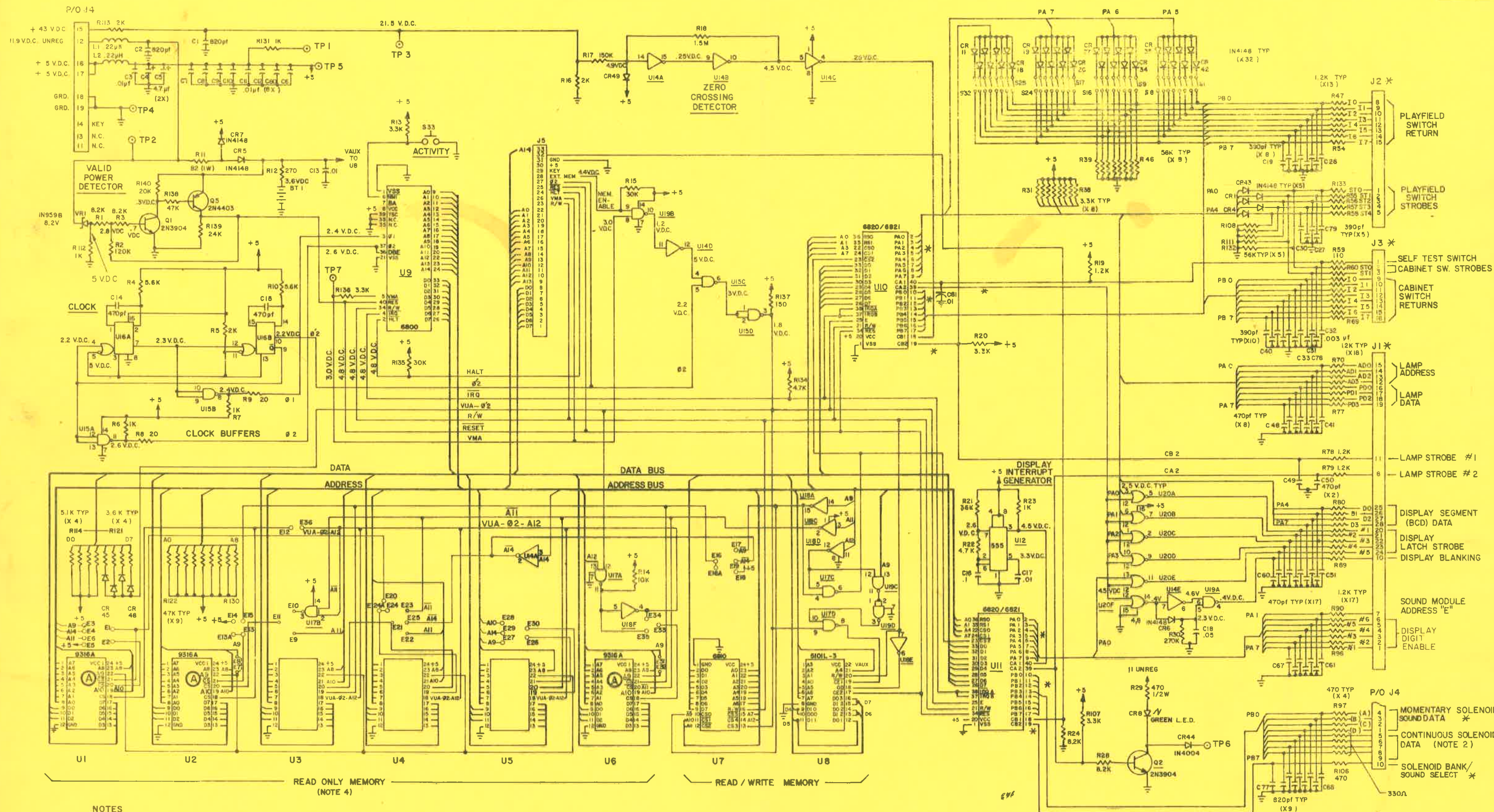


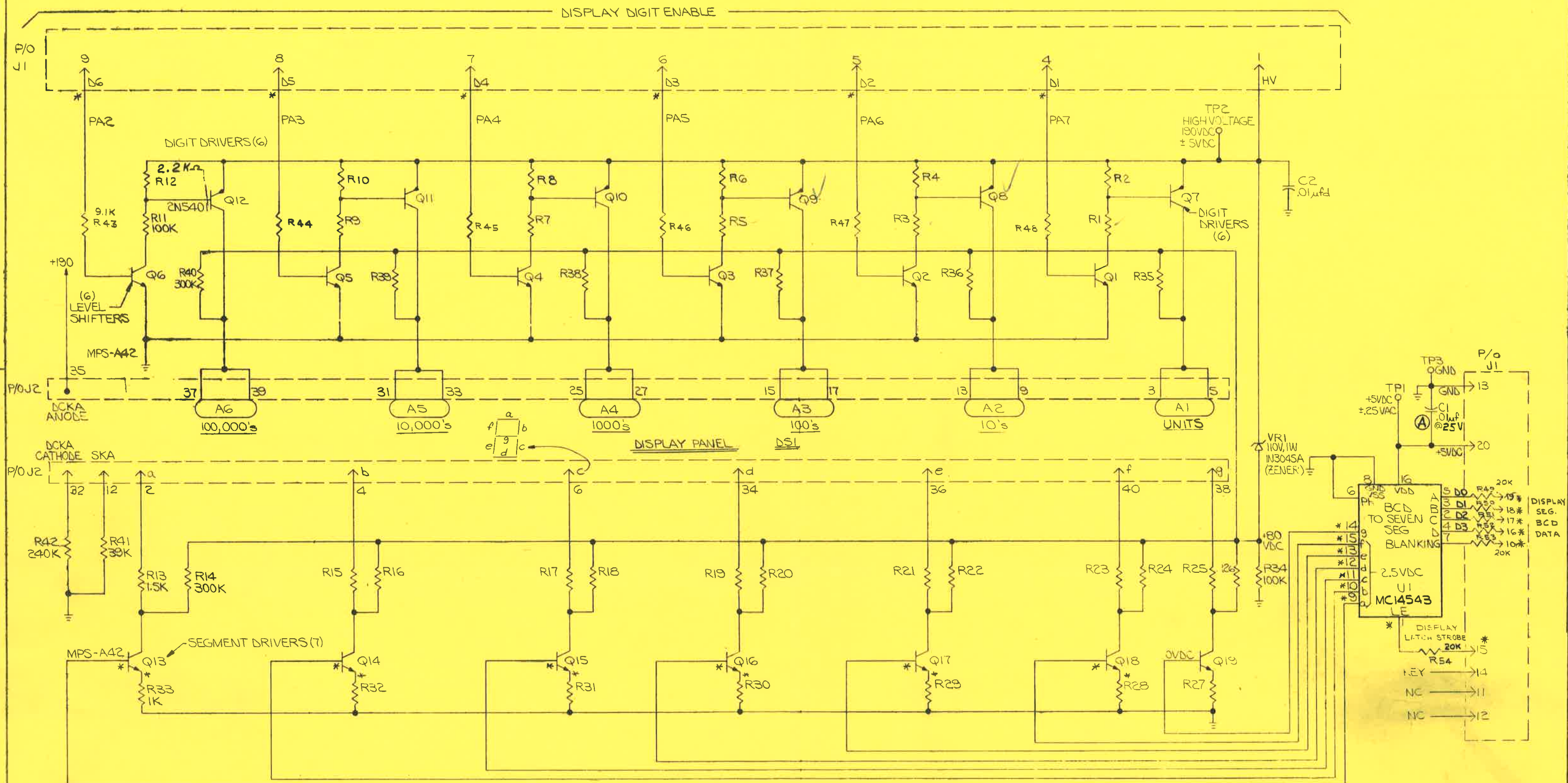


## NOTES

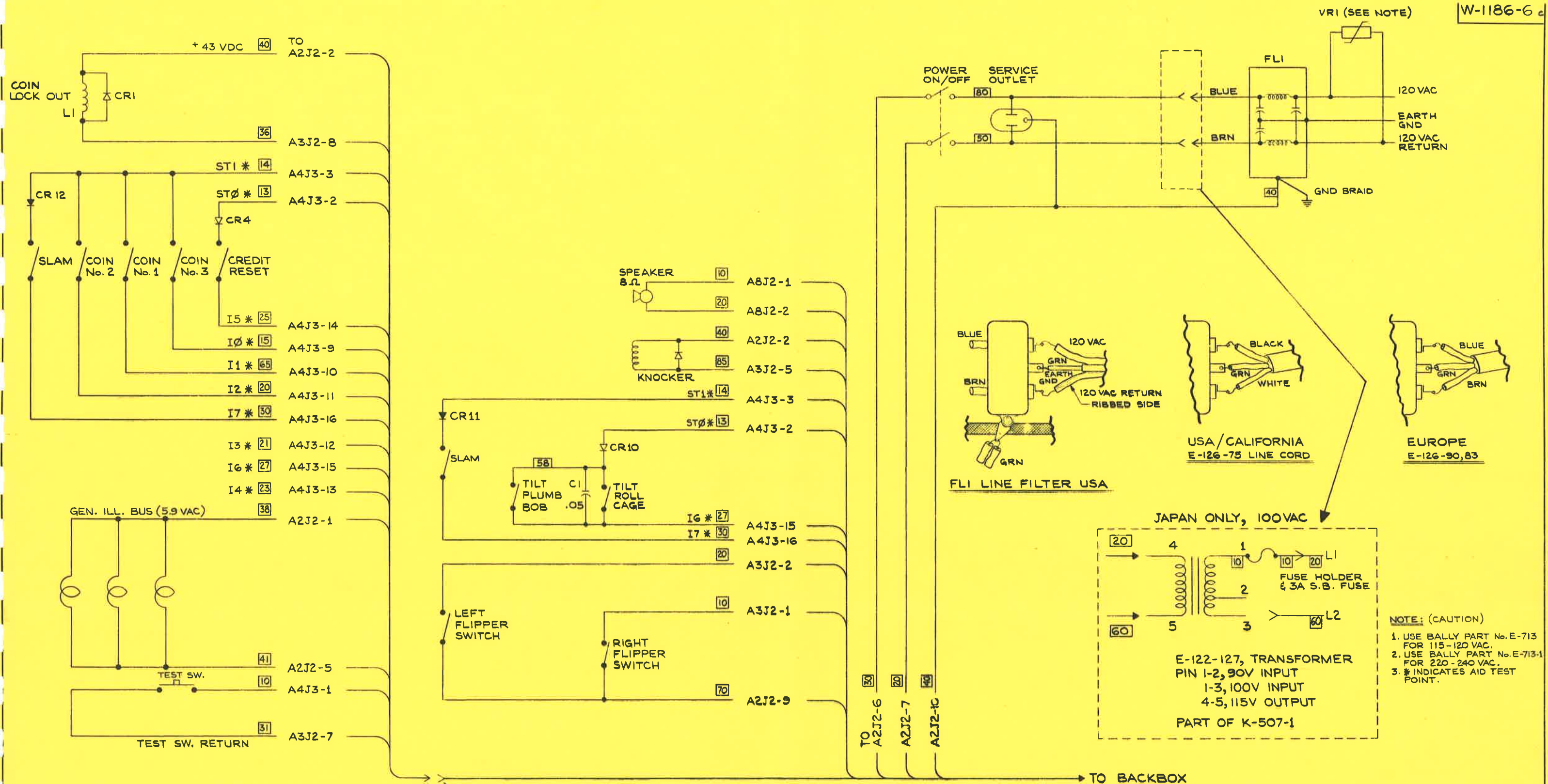
1. \* INDICATES "AID" TEST POINT
2. REMOVE A3J4 BEFORE USING AS AID TEST POINT
3. PREFIX ALL REFERENCE DESIGNATIONS WITH "A4"
4. EXACT CHIP COMPLEMENT USED IN SOCKETS U1 THRU U6 CAN VARY FOR DIFFERENT GAMES AND PRODUCTION LOTS. TABLES OF MEMORY CHIPS AND CORRESPONDING JUMPERS FOR DIFFERENT GAMES AVAILABLE FROM BALY FIELD SERVICE DEPARTMENT.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| ALL DESIGN, OPERATING AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP. CHICAGO, ILL. THIS INFORMATION IS FURNISHED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE COMPANY. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER CONTRARY TO THE INTEREST OF THE COMPANY, AND MUST BE RETURNED TO THE COMPANY. |  |
| REMOVE ALL BURNS                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS $\frac{1}{64}$ DECIMALS .005 ANGLES $\pm 1$                                                                                                                                                                                                                                                                                                                                                            |  |
| DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| DR BY DATE<br>EV 5-11-78<br>CR BY DATE<br>EGM 5-15-78                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| PURCH BY DATE<br>11-11-78                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| APPT BY DATE<br>11-11-78                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| FINISH                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| HARDENING                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Bally MANUFACTURING CORP.<br>2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS 60647                                                                                                                                                                                                                                                                                                                                                                                          |  |
| SET T: W                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| NAME<br>M P U CONTROL BOARD SCHEMATIC                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| ASSEM NO USED ON W                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| PART NO<br>W-1181-3                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |









A7 CABINET ASS'Y. WIRING  
NOTE: - DIODES ARE IN4004, (E-587-6)

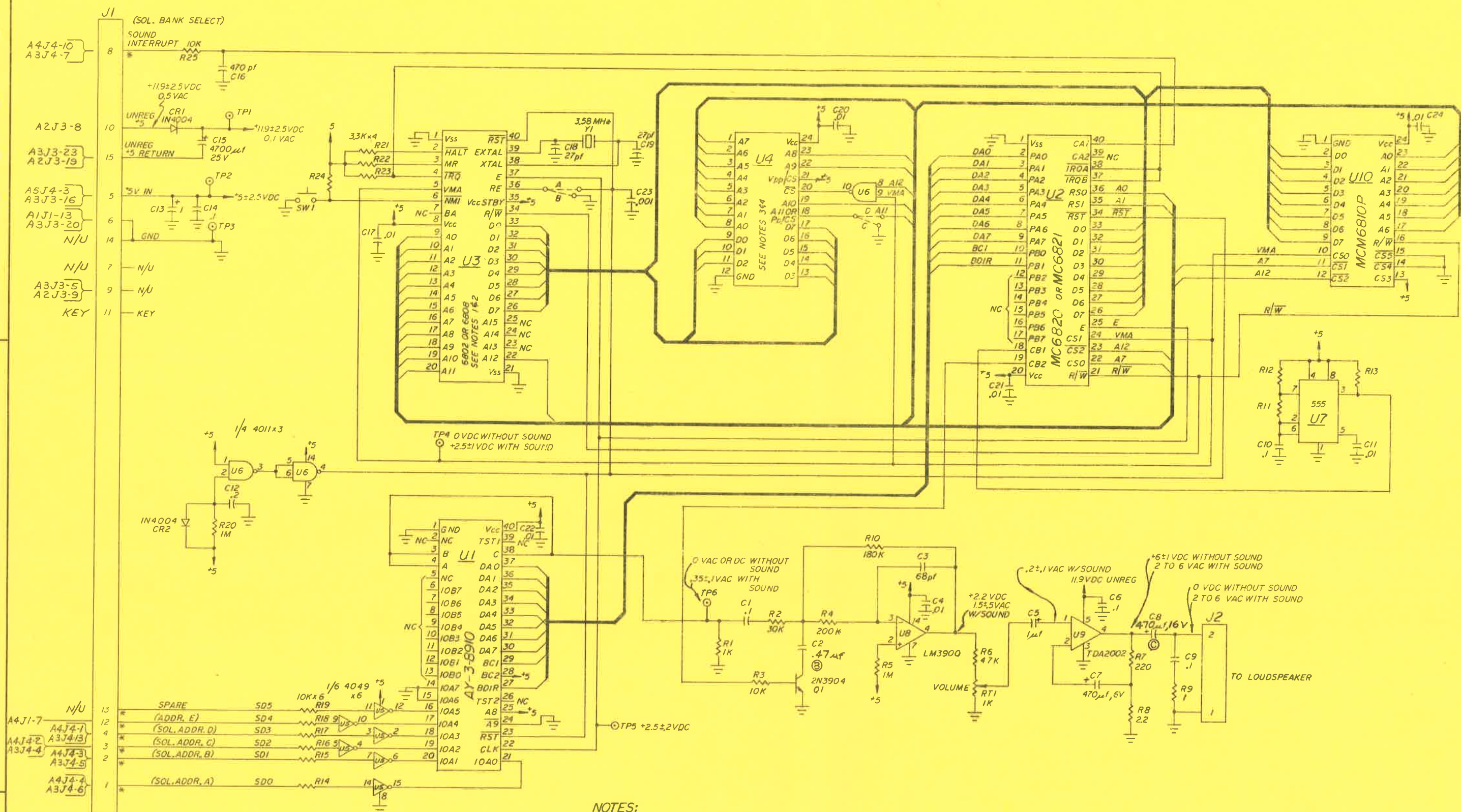
| TO      | J1 PIN | TO     | J1 PIN |
|---------|--------|--------|--------|
| A4J3-9  | 1      | A4J3-3 | 11     |
| A4J3-10 | 2      | A2J2-2 | 15     |
| A4J3-11 | 3      | A3J2-8 | 16     |
| A4J3-12 | 4      | A2J2-1 | 17     |
| A4J3-13 | 5      | A2J2-5 | 18     |
| A4J3-14 | 6      | A4J3-1 | 19     |
| A4J3-15 | 7      | A3J2-7 | 20     |
| A4J3-16 | 8      |        |        |
| A4J3-2  | 10     |        |        |

DOOR PLUG

| OPER. | DESCRIPTION | TOOL No. |
|-------|-------------|----------|
| 6     |             |          |
| 5     |             |          |
| 4     |             |          |
| 3     |             |          |
| 2     |             |          |
| 1     |             |          |

|                                                                                                     |  |                             |  |                                                                             |  |
|-----------------------------------------------------------------------------------------------------|--|-----------------------------|--|-----------------------------------------------------------------------------|--|
| REMOVE ALL BURRS                                                                                    |  | DR. BY DATE<br>E.V. 3-28-79 |  | Bally MANUFACTURING CORP.<br>2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS 60618 |  |
| TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED<br>FRACTIONS 1/16<br>DECIMALS .01<br>ANGLES 1/2 |  | AP'D BY DATE<br>D 4-5-79    |  | NAME<br>WIRING DIAGRAM ELECTRONIC                                           |  |
| DO NOT SCALE DRAWING                                                                                |  | AP'D BY DATE<br>E.V. 4-5-79 |  | MATERIAL                                                                    |  |
| LET. CHANGE DATE BY CK.                                                                             |  | PART NO.<br>W-1186-6        |  | SCALE                                                                       |  |





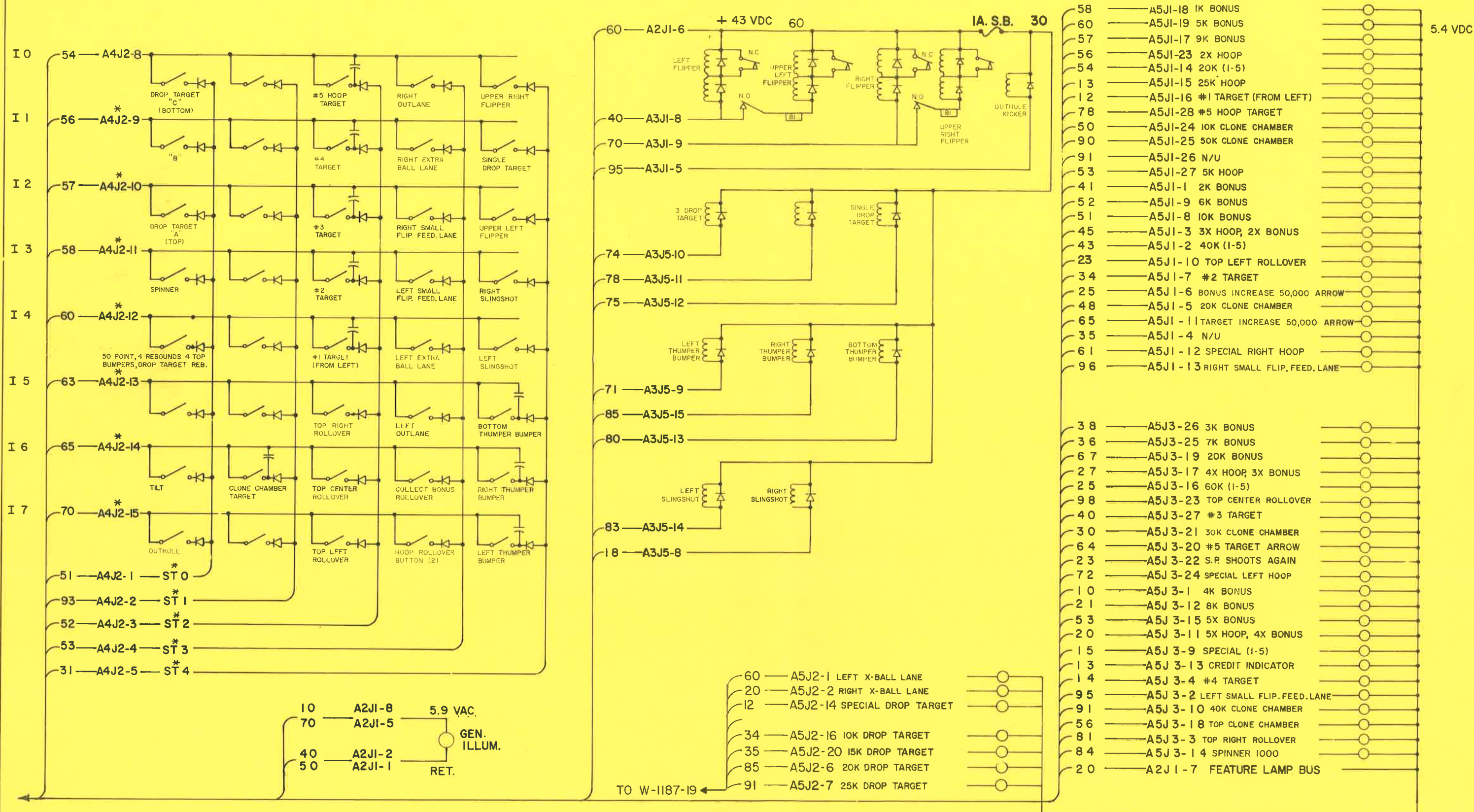
## NOTES:

1. USE JUMPER A IF INTERNAL RAM IS USED (6802 WITHOUT U10).
2. " " B " EXTERNAL " " " (6808/6810, U10).
3. " " C " 2K ROM (EPROM) " " (619316B INTEL 2716 OR EQUIV.).
4. " " D " 4K " " " (T1TMS 2532 TMS4732 OR EQUIV.).
5. U7, R12, R11, R13, C10, C11 NOT USED ON THIS ASSEMBLY.
6. UNLESS OTHERWISE INDICATED, ALL RESISTOR VALUES ARE IN OHMS, ALL CAPACITOR VALUES ARE IN MMFD'S.
7. PREFIX ALL REFERENCE DESIGNATIONS WITH A8.
8. \* INDICATES 'AID' TEST POINT.

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|                                                                       |                 |                               |
|-----------------------------------------------------------------------|-----------------|-------------------------------|
| Bally MANUFACTURING CORP.<br>2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS |                 | 1173                          |
| DATE<br>9-12-79                                                       | DATE<br>9-12-79 | DATE<br>9-12-79               |
| DR. BY<br>NRW                                                         | CHK. BY<br>CMT  | DATE<br>9-12-79               |
| NAME<br>COMPUTER SOUND MODULE AB SCHEMATIC                            |                 | ASSEM. NO. USED<br>AS-2518-51 |
| MATERIAL                                                              |                 | SCALE<br>1/16"                |
| HARDENING:                                                            |                 | PART NO.<br>W-1211 c          |
| CODE                                                                  |                 |                               |





## PLAYFIELD A6

## NOTES

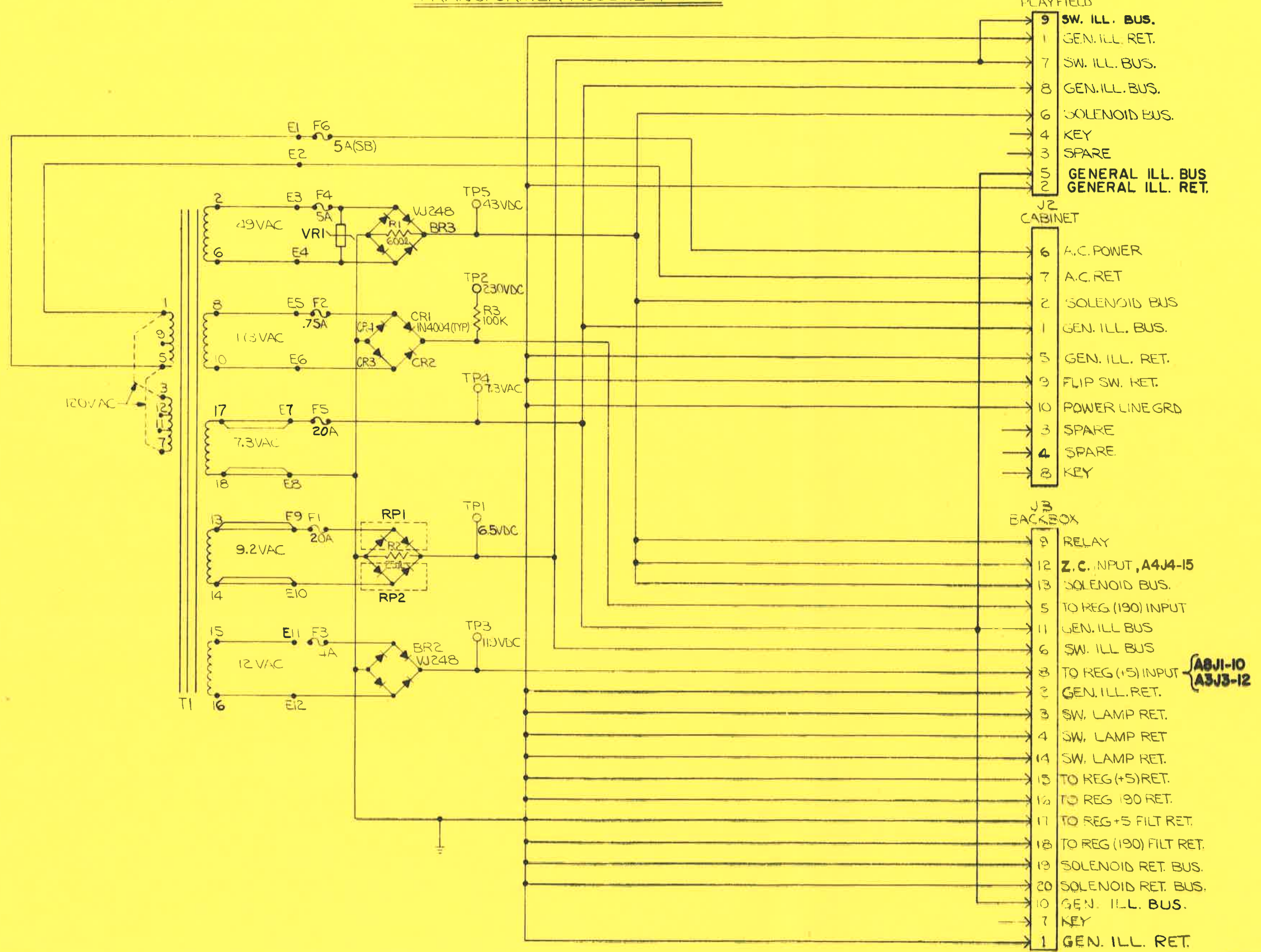
1. INDICATES NOT USED  
2. N/U = NOT USED ON PLAYFIELD  
3. \*INDICATES AID TEST POINT  
4. **COIL** DIODES ARE IN4004,(E-587-6),**SWITCH DIODES ARE IN 4148,(E-587-14)**  
ALL CAPACITORS ARE .05 MFD. (E-586-80)

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|                 |                    |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
|-----------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|----|----|----------|---------|---------------|--------------------|---|---|---|---|---|---|---|----------------|-----------|---------|---------------|-------|-------|--|--|--|--|--|--|--|------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------|---------|--|--|--|--|--|--|--|--|--|----------------|-----------|--|--|--|--|--|--|--|--|--|
| DR BY<br>E.V.   |                    | DATE<br>2-18-80                                                                                                                                           |   | Bally MANUFACTURING CORP.<br>2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS<br>1178                                                                                                                                                                                                                                                                                                                       |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| CK BY<br>D.K.   |                    | DATE<br>2-1-80                                                                                                                                            |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| AP'D BY<br>D.D. |                    | DATE<br>2-1-80                                                                                                                                            |   | <table border="1"> <tr> <td>PRINT CONTROL</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>TOTAL</td> <td>SCALE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |   |   |   |   |   |    |    |          |         | PRINT CONTROL | 1                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9              | 10        | 11      | 12            | TOTAL | SCALE |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| PRINT CONTROL   | 1                  | 2                                                                                                                                                         | 3 | 4                                                                                                                                                                                                                                                                                                                                                                                                   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12       | TOTAL   | SCALE         |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
|                 |                    |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| AP'D BY<br>D.W. |                    | DATE<br>2-1-80                                                                                                                                            |   | <table border="1"> <tr> <td>NAME</td> <td colspan="10">ASSEM NO USED ON W</td> </tr> <tr> <td>FINISH:</td> <td colspan="10">SWITCH MATRIX</td> </tr> <tr> <td colspan="2">HARDENING:</td> <td colspan="10"> <table border="1"> <tr> <td>MATERIAL</td> <td colspan="10">PART NO</td> </tr> <tr> <td>SPACE INVADERS</td> <td colspan="10">W-1192-19</td> </tr> </table> </td> </tr> </table>          |   |   |   |   |   |    |    |          |         | NAME          | ASSEM NO USED ON W |   |   |   |   |   |   |   |                |           | FINISH: | SWITCH MATRIX |       |       |  |  |  |  |  |  |  | HARDENING: |  | <table border="1"> <tr> <td>MATERIAL</td> <td colspan="10">PART NO</td> </tr> <tr> <td>SPACE INVADERS</td> <td colspan="10">W-1192-19</td> </tr> </table> |  |  |  |  |  |  |  |  |  | MATERIAL | PART NO |  |  |  |  |  |  |  |  |  | SPACE INVADERS | W-1192-19 |  |  |  |  |  |  |  |  |  |
| NAME            | ASSEM NO USED ON W |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| FINISH:         | SWITCH MATRIX      |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| HARDENING:      |                    | <table border="1"> <tr> <td>MATERIAL</td> <td colspan="10">PART NO</td> </tr> <tr> <td>SPACE INVADERS</td> <td colspan="10">W-1192-19</td> </tr> </table> |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    | MATERIAL | PART NO |               |                    |   |   |   |   |   |   |   | SPACE INVADERS | W-1192-19 |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| MATERIAL        | PART NO            |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |
| SPACE INVADERS  | W-1192-19          |                                                                                                                                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |    |    |          |         |               |                    |   |   |   |   |   |   |   |                |           |         |               |       |       |  |  |  |  |  |  |  |            |  |                                                                                                                                                           |  |  |  |  |  |  |  |  |  |          |         |  |  |  |  |  |  |  |  |  |                |           |  |  |  |  |  |  |  |  |  |



TRANSFORMER ASSEMBLY A2



- NOTES:
- 1. WIRE A.C. POWER AND TERMINALS PER TABLE 1.
  - 2. VOLTAGES SHOWN ARE FOR GAME IN POWER-UP CONDITION.
  - 3. PREFIX ALL REFERENCE DESIGNATIONS WITH A2.

| TABLE 1<br>POWER LINE CONNECTIONS |                       |                                |
|-----------------------------------|-----------------------|--------------------------------|
| LINE VOLTAGE<br>VRMS A.C.         | STRAP<br>TERMINALS    | APPLY POWER<br>TO<br>TERMINALS |
| 115                               | 1 TO 3 AND<br>3 TO 11 | 1 AND 9                        |
| 120                               | 1 TO 3 AND<br>5 TO 7  | 1 AND 5                        |
| 220                               | 3 TO 5                | 1 AND 12                       |
| 240                               | 3 TO 5                | 1 AND 7                        |
|                                   |                       |                                |
|                                   |                       |                                |

DIE SIZE — C.C. — FT. PER M — LBS. PER M —

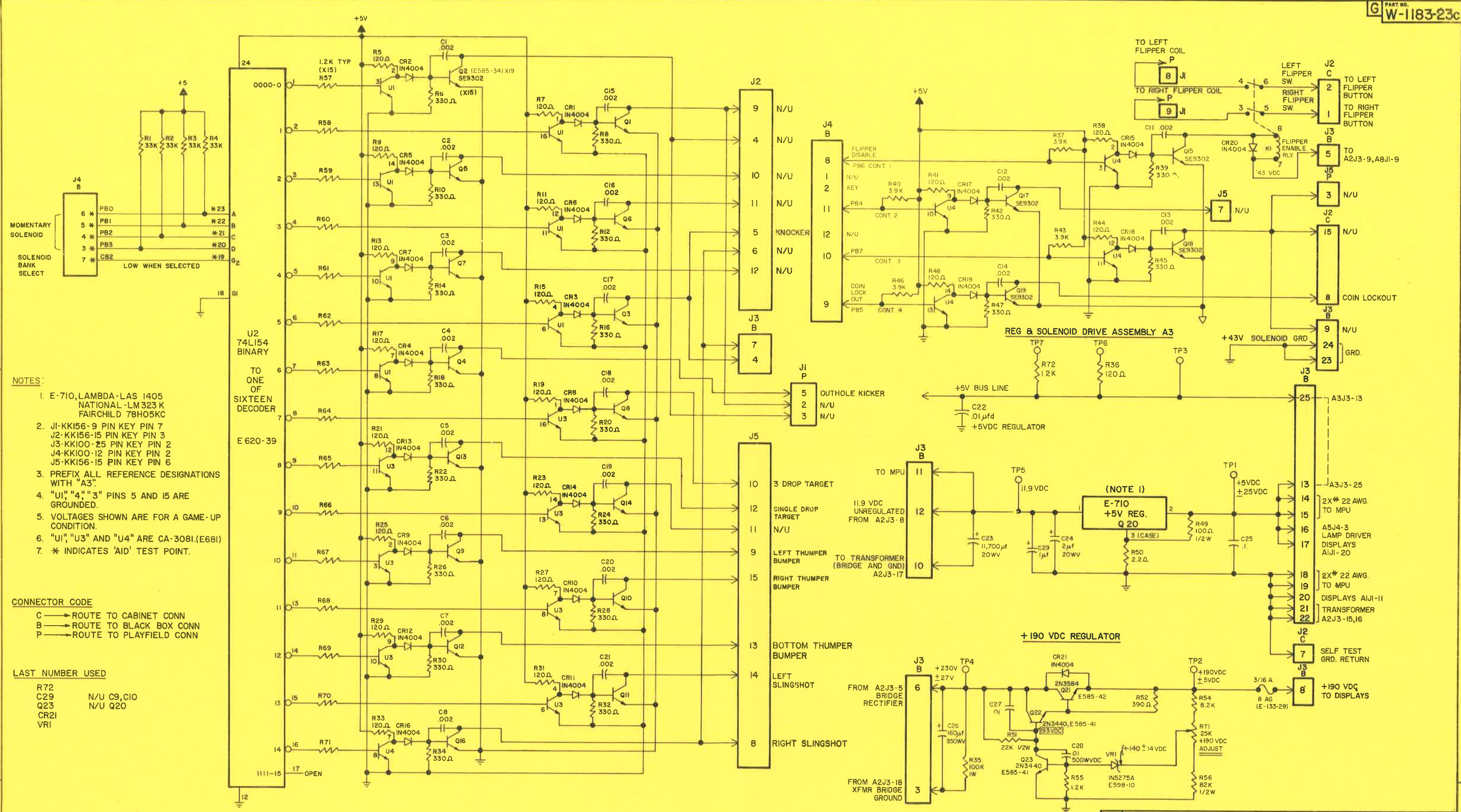
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| OPER. | DEPT. | DESCRIPTION | TOOL No. |
|-------|-------|-------------|----------|
|-------|-------|-------------|----------|

| NO. | LET. | CHANGE | DATE | BY | CR. |
|-----|------|--------|------|----|-----|
|-----|------|--------|------|----|-----|

|                                                     |  |                 |  |                                            |  |
|-----------------------------------------------------|--|-----------------|--|--------------------------------------------|--|
| REMOVE ALL BURRS                                    |  | DR BY DATE      |  | Bally MANUFACTURING CORP.                  |  |
| TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED |  | CK. BY DATE     |  | 2640 BELMONT AVENUE CHICAGO, ILLINOIS 1178 |  |
| FRACTIONS: DECIMALS: ANGLES: DO NOT SCALE DRAWING   |  | AP'D BY DATE    |  | NAME POWER TRANSFORMER MODULE SCHEMATIC    |  |
|                                                     |  | PRINTED BY DATE |  | MATERIAL                                   |  |
|                                                     |  | FINISH          |  | PART NO. W-1185-3c                         |  |
|                                                     |  | HANDLING        |  |                                            |  |





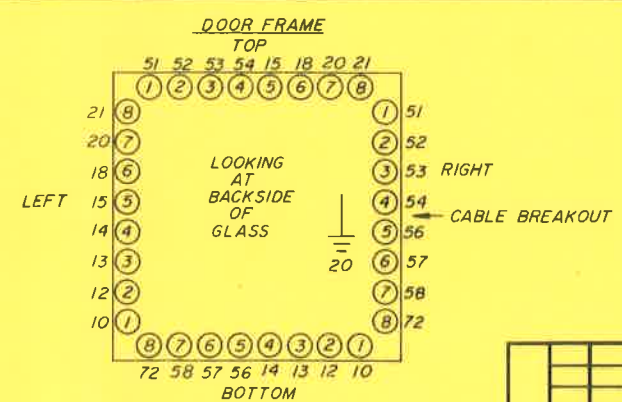
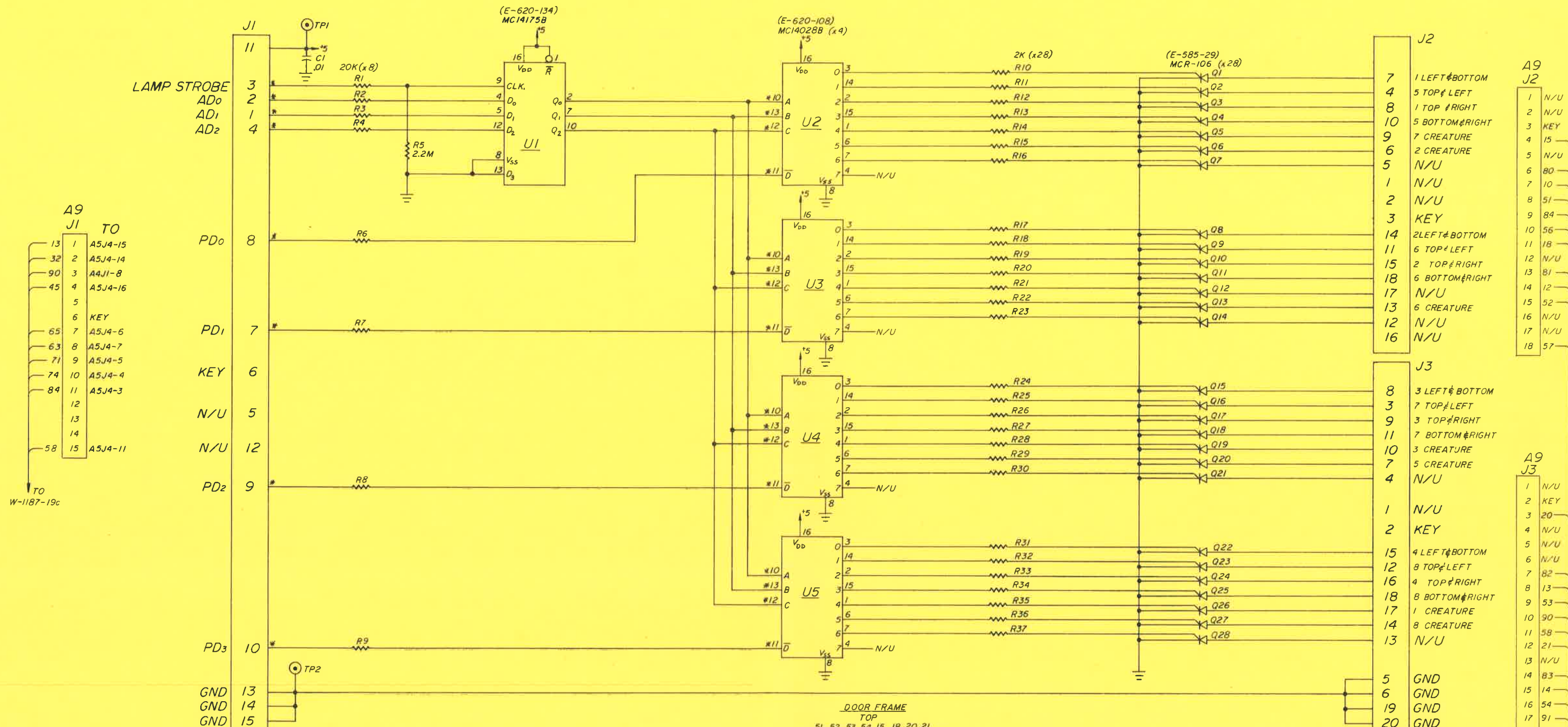
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|           |      |        |
|-----------|------|--------|
| DR. BY    | DATE | 2-1-80 |
| CK. BY    | DATE | 2-1-80 |
| AP'D BY   | DATE | 2-1-80 |
| AP'D BY   | DATE | 2-1-80 |
| FINISH    |      |        |
| HARDENING |      |        |

**Bally MANUFACTURING CORP.**  
2640 BELMONT AVENUE  
CHICAGO, ILLINOIS 60618

NAME: SOLENOID DRIVER VOLTAGE REGULATOR SCHEMATIC  
MATERIAL: SPACE INVADERS  
DIE SIZE: C.C. FT. PER M. LBS. PER M.  
ASSEM. NO. USED: 1178  
SCALE: 1:1  
PART NO.: W-1183-23c

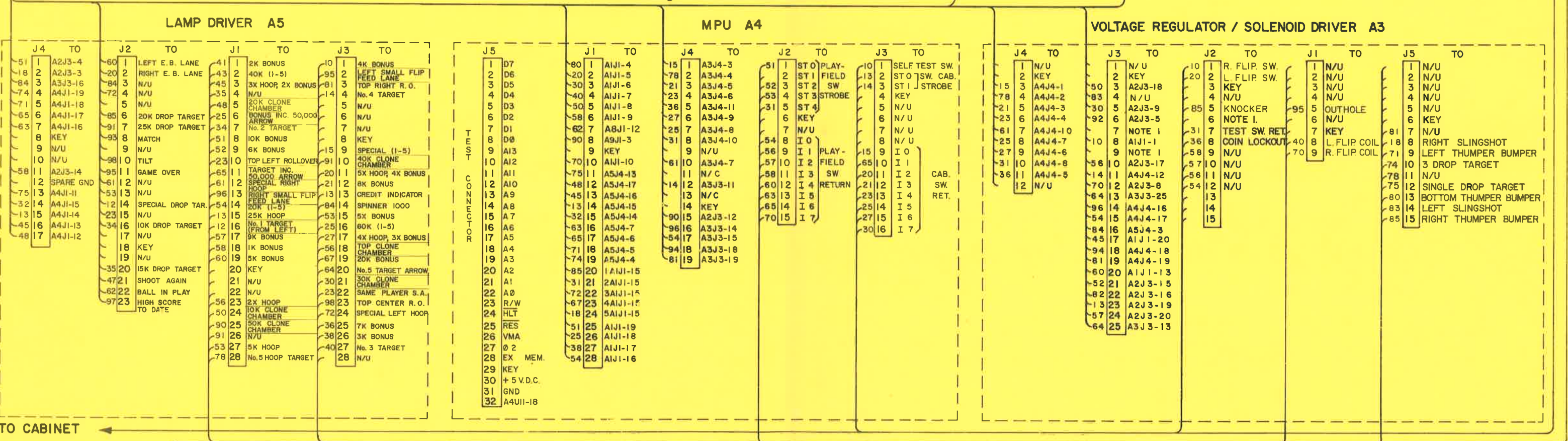




|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|
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| REMOVE ALL BURRS                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | DATE 1-19-80               |  |
| TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                                                                                                                                                                                                                             |  | DATE 1-30-80               |  |
| FRACTIONS ± 0.08                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | DATE 1-30-80               |  |
| DECIMALS ± 0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | DATE 1-30-80               |  |
| EXCEPT HOLE DIA'S                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | DATE 1-30-80               |  |
| ANGLES ± 1/2°                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | DATE 1-30-80               |  |
| DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | DATE 1-30-80               |  |
| HARDENING:                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | HARDENING:                 |  |
| MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | MATERIAL                   |  |
| CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | CODE                       |  |
| NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | NAME                       |  |
| AUXILIARY LAMP DRIVER "A9"                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | AUXILIARY LAMP DRIVER "A9" |  |
| ASSEM. NO. USED                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | ASSEM. NO. USED            |  |
| SCALE                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | SCALE                      |  |
| PART NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | PART NO.                   |  |
| W-1207-2                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | W-1207-2                   |  |



W-1187-19 c



TO PLAYFIELD

## NOTES

1. THESE PINS ARE RESERVED FOR FUTURE USE.
2. WIRE COLORS ARE SHOWN FOR ALL CONNECTOR PINS, SOME WIRES MAY NOT BE USED IN ALL GAMES.
- 3 \* INDICATES AID TEST POINT.

| TABLE "B" |         |           |
|-----------|---------|-----------|
| FROM      | TO      | WIRE      |
| A5J2-14   | 1       | 12        |
| A5J2-2    | 2       | 20        |
| A5J2-16   | 3       | 34        |
| A5J2-20   | 4       | 35        |
| A5J2-1    | 5       | 60        |
| A5J2-6    | 6       | 85        |
| A5J2-7    | 7       | 91        |
| A5J3-6    | 8       | 20        |
| PANEL     | TO BACK | CAB. PLUG |

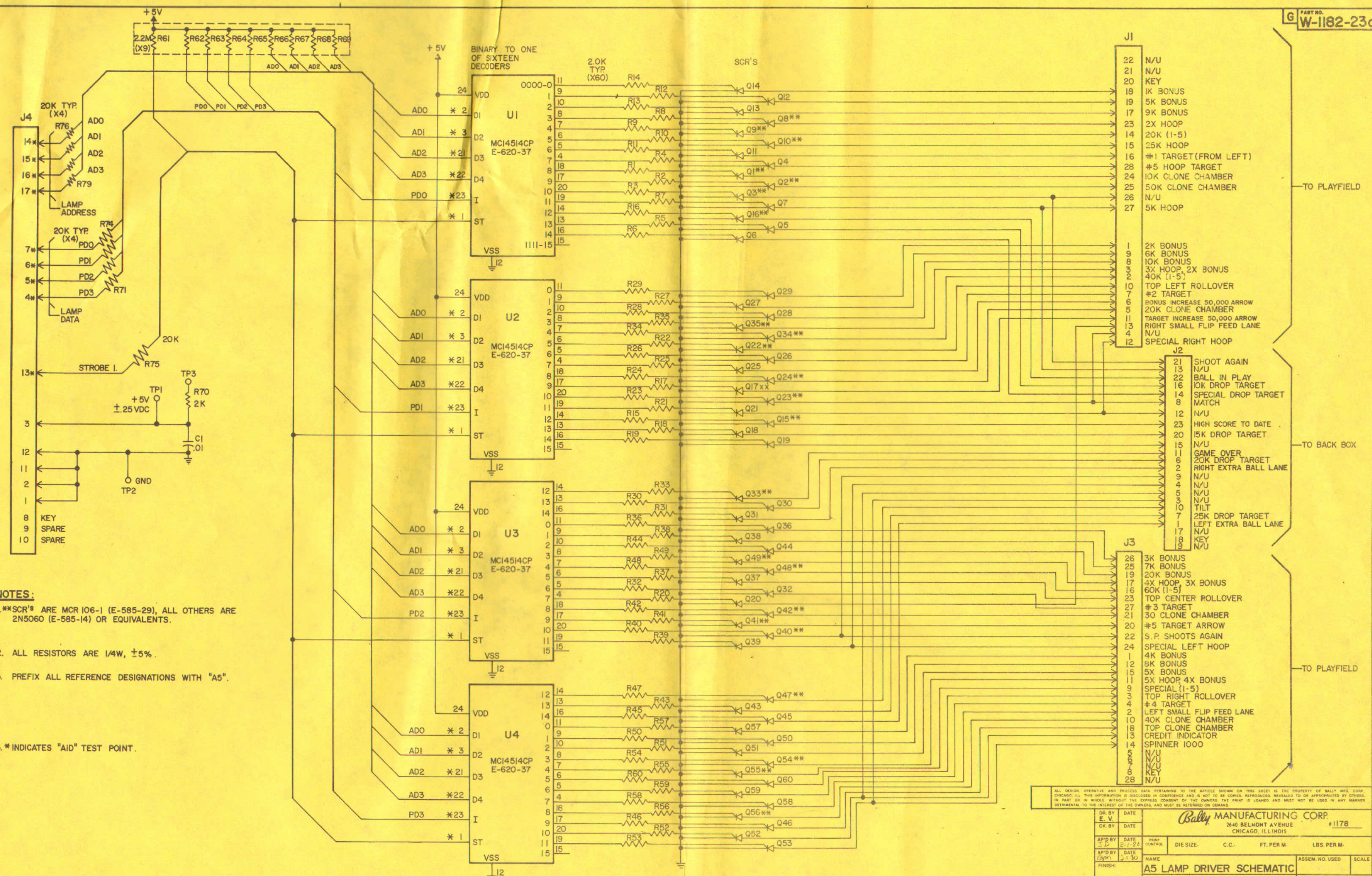
#### WIRE COLOR CODE

|          |            |
|----------|------------|
| 1-RED    | 6-BROWN    |
| 2-BLUE   | 7-ORANGE   |
| 3-YELLOW | 8-BLACK    |
| 4-GREEN  | 9-GRAY     |
| 5-WHITE  | 0-NO TRACE |

ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CO., CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE OWNERS AND MUST BE RETURNED ON DEMAND.

|                  |                 |                                  |         |      |      |      |      |      |      |      |      |      |      |                                          |       |      |  |
|------------------|-----------------|----------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------------------------------------------|-------|------|--|
| DR. BY<br>E. V.  | DATE<br>1-31-80 | <i>Bally</i> MANUFACTURING CORP. |         |      |      |      |      |      |      |      |      |      |      | 2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS |       | 1178 |  |
| CR. BY<br>E. V.  | DATE<br>2-1-80  |                                  |         |      |      |      |      |      |      |      |      |      |      |                                          |       |      |  |
| AP'D BY<br>T. D. | DATE<br>2-1-80  | INITIALS                         | CONTROL | TEST | TEST | TEST | TEST | TEST | TEST | TEST | TEST | TEST | TEST | TOTAL                                    | SCALE |      |  |
| AP'D BY<br>T. D. | DATE<br>2-1-80  | NAME                             |         |      |      |      |      |      |      |      |      |      |      | ASSEM. NO. USED ON W                     |       |      |  |
| FINISH:          |                 | PLUG CONNECTORS                  |         |      |      |      |      |      |      |      |      |      |      |                                          |       |      |  |
| HARDENING:       |                 | MATERIAL                         |         |      |      |      |      |      |      |      |      |      |      | PART NO.<br>W-1187-19                    |       |      |  |
|                  |                 | SPACE INVADERS                   |         |      |      |      |      |      |      |      |      |      |      |                                          |       |      |  |





**NOTES:**

1. \*\*SCR'S ARE MCR 106-1 (E-585-29), ALL OTHERS ARE 2N5060 (E-585-14) OR EQUIVALENTS.

2. ALL RESISTORS ARE 1/4W,  $\pm 5\%$ .

3. PREFIX ALL REFERENCE DESIGNATIONS WITH "A5".

4. \*INDICATES "AID" TEST POINT.

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|                 |                |                                                                             |          |      |            |
|-----------------|----------------|-----------------------------------------------------------------------------|----------|------|------------|
| DR. BY<br>E.V.  | DATE<br>2-1-72 | Bally MANUFACTURING CORP.<br>2640 BELMONT AVENUE<br>CHICAGO, ILLINOIS #1178 |          |      |            |
| CK. BY          | DATE           | PRINT<br>CONTROL                                                            | DIE SIZE | C.C. | FT. PER M. |
| AP'D BY<br>J.M. | DATE<br>2-1-72 | ASSEM. NO. USED                                                             |          |      |            |
| FINISH          | NAME           | SCALE                                                                       |          |      |            |
| HARDENING       | MATERIAL       | PART NO.                                                                    |          |      |            |
|                 | CODE           | W-1182-23c                                                                  |          |      |            |

**A5 LAMP DRIVER SCHEMATIC**

**SPACE INVADERS**

| OPER. | DEPT. | DESCRIPTION | TOOL NO. |
|-------|-------|-------------|----------|
|       |       |             |          |